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**From:** Fullagar, Jill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7BA061353C314B40A14A8BE1EE382AE3-GABLE, JILL]  
**Sent:** 2/9/2018 12:07:28 AM  
**To:** Brown, Cheryl A. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]; Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]  
**Subject:** RE: upwelling index/windstress

Thank you!

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Jill Fullagar, Impaired Waters Coordinator  
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**From:** Brown, Cheryl A.  
**Sent:** Thursday, February 08, 2018 2:00 PM  
**To:** Fullagar, Jill <Fullagar.Jill@epa.gov>; Labiosa, Rochelle <labiosa.rochelle@epa.gov>  
**Subject:** RE: upwelling index/windstress

I would cite them using the following website:  
<http://damp.coas.oregonstate.edu/windstress/index.html>

They have been used in a lot of publications and become kind of the standard for upwelling wind stress comparisons on the Oregon coast.

Cheryl

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**From:** Fullagar, Jill  
**Sent:** Thursday, February 08, 2018 1:29 PM  
**To:** Labiosa, Rochelle <labiosa.rochelle@epa.gov>  
**Cc:** Brown, Cheryl A. <Brown.Cheryl@epa.gov>  
**Subject:** RE: upwelling index/windstress

One more question....how should I cite the graphs below? Looks like they were derived from info in 2 other publications, but I don't see a publication here. Thx.

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**From:** Labiosa, Rochelle

**Sent:** Wednesday, January 31, 2018 10:15 AM

**To:** Fullagar, Jill <[Fullagar.Jill@epa.gov](mailto:Fullagar.Jill@epa.gov)>

**Cc:** Brown, Cheryl A. <[Brown.Cheryl@epa.gov](mailto:Brown.Cheryl@epa.gov)>

**Subject:** upwelling index/windstress

Hi Jill – I like this figure for wind stress that Cheryl shared a while back (I actually thought we were going to replace the other upwelling figure with this at some point)– could swap out in the briefing material:

<http://damp.coas.oregonstate.edu/windstress/allyears.html>

Also compare 2011 (more typical year) <http://damp.coas.oregonstate.edu/windstress/2011.html> with 2015 (the blob year – anomalous) - <http://damp.coas.oregonstate.edu/windstress/2015.html> (the black lines on each plot show the mean and stdev from 1985-2017). Would be interesting to compare aragonite saturation state data from those two years.